

Fire hydrant C9+ Traffic DN100 - Symmetric nozzles - Belgium version



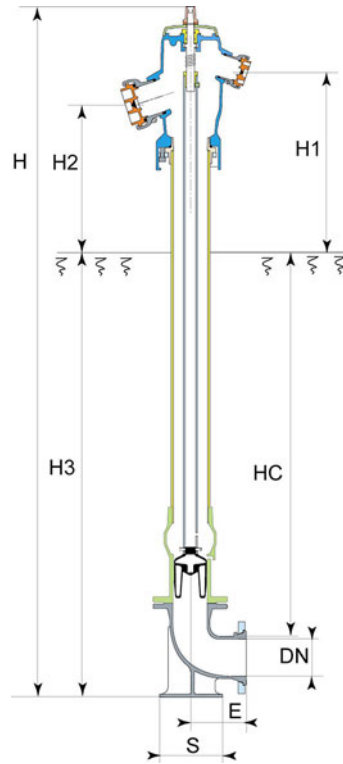
SAINT-GOBAIN PAM fire hydrants are fire safety devices designed for use on a water network or reservoir in all types of environments. Engineered to be accessible and easy to locate, they enable rapid and effective intervention in the event of a fire.

Description

- Operating square 30x30
- Straight box
- Automatic drainage
- Nozzles : Two symmetrical side nozzles and one symmetrical front nozzle, or one symmetrical front nozzle.

DN (mm)	Version	Outlets	P=HC (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	E (mm)	S (mm)	Mass (kg)	References
100	Straight box	2xDN65 + 1xDN100	1066	2015	584	478	1235	152	100x90	110.50	298117

Installation height h: from 40 mm minimum to 60 mm maximum



Field of use

Fire hydrants pillar or underground type are designed, according to applicable standards and regulations, for exclusive use of fire protection and using drinking water or raw water network.

They must be handled and used in strict compliance with the recommendations and best practice by personnel trained with these recommendations.

These devices must be inspected periodically (as required by regulations or recommended instructions) to verify and maintain their proper and safe operation.

A reliable long term choice

SG PAM fire hydrants are designed to offer a long service life without requiring specific maintenance; their functionality remains intact even after many years of use.

The products, in fact, deliver performance levels that exceed standard requirements, in full compliance with NF regulations :

- an opening and closing cycle count far beyond the required 1,000 cycles
- a shell pressure resistance greater than 25 bar
- easy operation with torque values below 80 Nm

- a body made entirely of ductile iron, providing high safety factors capable of withstanding both accidental impacts and network operating disturbances, including water hammer
- a minimum torque resistance to external forces of 250 Nm
- for improved corrosion resistance, the PI is fully coated inside and outside with a thick epoxy powder layer (250 microns in the standard version, 300 microns in the reinforced version)
- an additional coating on the above ground section enables it to withstand climatic stresses such as sun, moonlight, and adverse weather conditions

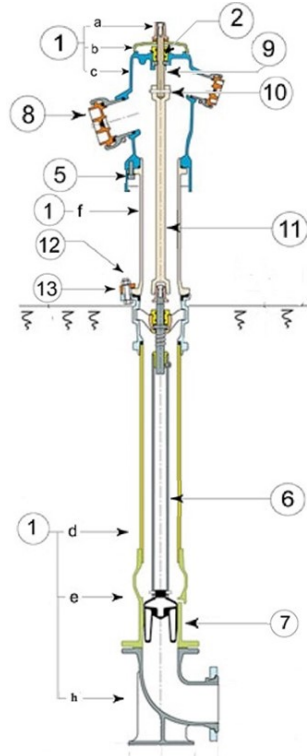
Ease of installation and commissioning

Traffic version (VR) :

By simply loosening the four bolts connecting the above ground section of the hydrant to its buried base (junction within the ground module). This makes it very easy to comply with installation standard NF S 62 200, which requires that the hydrant outlets always be oriented toward the access route used by fire fighting vehicles.

During installation, to correctly orient the outlets in relation to the sidewalk, or in the event of environmental changes such as the construction of new buildings, no excavation is required. SG PAM fire hydrants can be rotated through 360°, one degree at a time.

Material and coatings



Item	Designation	Material	Coating
1	1a - Operating square	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	Dacromet + Polyurethane blue 20 µm
	1c - Nozzles body	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy + blue RAL 5005 polyurethane
	1d - Extension Tube	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy coating
	1e - Valve box	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy coating
	1f - Lower barrel	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy + blue RAL 5005 polyurethane
	1g - Screwed box	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy coating
	1h - Duckfoot bend	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	REI: 250 µm powder epoxy coating
	1b - Marking cover	ABS	Polyurethane blue RAL 5005
2	Screwed bearing	Brass type CuZn39Pb2, EN 12164	

Item	Designation	Material	Coating
3	Operating screw	Steel grade X20Cr13, EN 10088 3	
4	Operating nut	Brass type CuZn39Pb2, EN 12164	
5	Fixing screw	Steel grade 8/8	Zinc plated, yellow passivated
6	Operating tube	Steel grade Tu 56 B	Galvanized
7	Valve	Ductile iron EN GJS 400 15 or EN GJS 500 7, EN 1563	EPDM overmolding
8	Nozzles	Depending on models	
9	Control shaft	Steel grade X20 Cr 13 EN 10088-1	
10	Crimp pin	Steel grade X20 Cr 13 EN 10088-1	
11	Control shaft	Forged steel C35 - NF EN 10083-1	Black cathoretic coating, 25 microns thick
12	Fasteners	Steel grade 8/8	Zinc plated, yellow passivated
13	Cales de renversabilité	Ductile iron GS	Blue powder epoxy, 250 µm + Blue polyurethane, RAL 5005

Installation guide [NPPI 01 F](#)

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